

=> b reg
 FILE 'REGISTRY' ENTERED AT 16:37:54 ON 09 JAN 2008
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STRUCTURE FILE UPDATES: 8 JAN 2008 HIGHEST RN 960198-43-0
 DICTIONARY FILE UPDATES: 8 JAN 2008 HIGHEST RN 960198-43-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

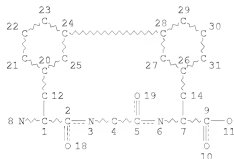
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=> d que sta 19
 L7 STR



NODE ATTRIBUTES:
 NSPEC IS RC AT 8
 DEFAULT MLEVEL IS ATOM
 DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 27

STEREO ATTRIBUTES: NONE
 L9 75 SEA FILE=REGISTRY SSS FUL L7

100.0% PROCESSED 61293 ITERATIONS
 SEARCH TIME: 00.00.01

75 ANSWERS

=> b hcap
 FILE 'HCAPLUS' ENTERED AT 16:38:02 ON 09 JAN 2008
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FILE COVERS 1907 - 9 Jan 2008 VOL 148 ISS 2
FILE LAST UPDATED: 8 Jan 2008 (20080108/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitetr l11 tot

Absolute stereochemistry

RE:INT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD

09/01/2008 Page 3

134038-87-2P
 SL: FCT (Factant), SPH (Synthetic preparation), PREP (Preparation), FACT
 (Reactant or reagent)
 [preparation of antibacterial biphenoxyin & ester analogs for use in human
 or veterinary medicine]
 134038-87-2 HCAPLAW

111 ABSTRACT OF E. KOPPEL. COPYRIGHT 2008 ACS on RSC

112 1991-214706 KOPPEL

113 13153725

114 The synthesis of hyphenomycin B (toxin in document cited in

115 02141512) 247668

116 SCHMIDT, ULRICH; MEYER, REGINE; LEIBENBERGER, VOLKER; LIEBERKNECHT,

117 ALBERT; GROSSER, MIKAEL

118 Inst. Org. Chem., Universität Frankfurt, Univ. Stuttgart, Stuttgart, 70509/60,

119 Germany

120 Journal of the Chemical Society, Chemical Communications (1993), (37), 748

121 ISSN: 1365-0350; 1993-0002-0306

122 Journal

123 English

124 An error in the abstract has been corrected. Hyphenomycin B is a highly potent

125 antibiotic against Gram-negative bacteria, but Gram-positives are reported. The

126 article was sufficient in the abstract.

127 131538-47-0

128 131538-47-0

129 131538-47-0

130 131538-47-0

131 131538-47-0

132 131538-47-0

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239 131538-47-0

240 131538-47-0

131 ABSTRACT OF E. KOPPEL. COPYRIGHT 2008 ACS on RSC

132 1991-214706 KOPPEL

133 13153725

134 The synthesis of hyphenomycin B

135 SCHMIDT, ULRICH; MEYER, REGINE; LEIBENBERGER, VOLKER; LIEBERKNECHT,

136 ALBERT; GROSSER, MIKAEL

137 Inst. Org. Chem., Universität Frankfurt, Univ. Stuttgart, Stuttgart, 70509/60,

138 Germany

139 Journal of the Chemical Society, Chemical Communications (1993), (37), 748

140 ISSN: 1365-0350; 1993-0002-0306

141 Journal

142 English

143 CASREACT 131537264

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-> d bib abs hitstr 113 tot

112 ANSARS 2 OF 19 SCARLEA COPYRIGHT 2009 ACS OR SIM

CRJ 66-19-1
CMT C2 N4 00



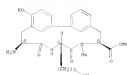
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005 011210-44-9  ECAPLES
006 1-alkoxide, 1-allyl-2-oxoethyl-3-methoxy-, methyl ester, cyclic
007 11,12-(4-oxotetrayl-1,1'-bisphenoxy)-1,2'-diyl deriv., disuccate (salt) (PCT)
008 (CA INDEX NAME)

```

CM 1

CBR 912218-63-8
 CBR C2A M32 14 04

Abutilon strachanense

Q 2

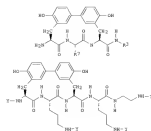
CRJ 65-19-3
COP C2 34 0



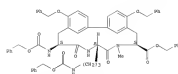
RE-ENT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE-ENTRY

113 ANDROS 2 OF 19 SAMPLES COPYRIGHT 2009 ACE OR STM
AN 2006-292797 BOARLES
DN 144358350
TI Preparation of Bifidomycin-C analogs as antibacterial agents
IN Endermann, Jander, Schlect, Kerstin, Freiberg, Christoph, Foddrell,
Gianfranco, Wobbe, Markus J. Gombosi, Cecelia, Valanda, Ephraim, Joseph

PA Bayer Healthcare A.-G., Germany
50 Ger. Offen., 197 pp
CODES: 000000
07 Patent
LA German

[illegible]

1:1 ANSWER 2 OF 19 HQ4746 COPYRIGHT 2008 ACS or STM (Combined)

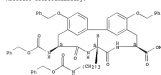


```

N00 249816-4)-1)  HCAFLAS
C00 1-Alanine, N-[(phenylmethoxy)carbonyl]-2-allyl-HS-
      (phenylmethoxy)carbonyl)-1-L-cystinyl-, methyl ester, cyclic
      12,13,4,4'-bis(phenylmethoxy)(3,3'-bisphenyl)-3,3'-diyl deriv. (902) (C
INDEX NAME:

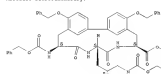
```

Absolute stereochemistry.



N50 845816-42-2 HCNPLUS
 C50 1-*dimethyl- N*-(*phenylmethoxy*)*carboxyl*)-2-*amino*-1-(4*isopropyl-1,1,1*-*dimethylethyl*)-*dimethylsilyl*)-*propyl*-N5-(*phenylmethoxy*)*carboxyl*)-*L*-*ornithyl*-*phenylmethoxy* ester, cyclic 33.33-18,4'-bis(*phenylmethoxy*)1,1'-biphenyl-2,3'-diyl dicarboxylic acid (C50 INDEX NAME)

Absolute stereochemistry



RXN 244916-69-2 DECAPLEIN
 C18 1-Alanine, N-[(phenylmethoxycarbonyl)-L-aleryl-N5-
 [(phenylmethoxycarbonyl)-L-ornithyl-N-ethyl]-, phenylmethyl ester, cyclic
 [3, 33-14, 4'-bis(phenylmethoxycarbonyl)-3, 3'-hexaphenyl-3, 3'-diyl] derivative (PCE) (C)

Abstracts of the 1997 Annual Meeting of the American Society of Human Genetics, 1997, 15-19 October, Denver, Colorado, USA.

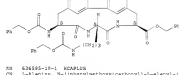
113 ANSWER 2 OF 18: INCADUE6. COPYRIGHT 2018 ACS on 57N (Continued)

AB Title compds: I (R¹ = H, CH₃, CH₂CH₃; R² = alkylamine with proline); R³ = methylamine, ethylamine, n-butylamine, etc.) and their pharmaceutically acceptable salts and formulations were prepared. For example, IPA mediated deprotection of Boc-amino macrocycle II (Y = Boc) afforded the IPA salt of bicyclic amine analog III (Y = H) in 64% yield. In *Staphylococcus aureus* inhibition assays, 7-examples of compds: I exhibited IC₅₀ values ranging from 0.16-1.1 μ M.

12 636595-04-7P 636595-18-1P 636595-76-3P
636595-01-1P 636595-81-2P 636595-69-3P
PL NCT (Neocastil) SPN (Synthetic preparation) UNED (Preparation) RACT
(Reactant or reagent)
(preparation of Biphosphonate-C analogs as antibacterial agents)

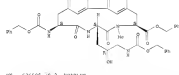
CH 1-L-Alanine, N-[[[phenylmethoxycarbonyl]-4-alaranyl-HS-
 [[phenylmethoxycarbonyl]-4-cornithyl]-, phenylmethyl ester, cyclic
 13,32-[4,4'-bis[[phenylmethoxy] (2,3'-biphenyl)-3,3'-diyl] deriv. (BCT) (C
 INDEX NAME:

Absolute stereochemistry.

CCOC(=O)C=C

626195-19-1 NEWFLOW
 3-Amino, N-[(phenylmethoxy)carbonyl]-5-allyl-(4R)-4-hydroxy-N5-
 [(phenylmethoxy)carbonyl]-3-ornithyl-N-methyl-, phenylmethyl ester, cyclic
 13,13a-(4,4'-bis[(phenylmethoxy)(2,2'-biphenyl)-3,3'-diyl] deriv. (BCC) (C)
 INTER NAME

Absolute stereochemistry

CCOC(=O)C=C

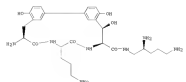
[(4-ethoxyphenyl)(carbamyl)-1-oximidyl-3-methyl-, phenylmethyl ester, opsin
13,13-(4,4'-bis(4-ethoxyphenyl)-[3,3'-biphenyl]-1,3'-diyl) deriv (PC1) (C
INDEX NAME)

Absolute stereochemistry

112 ANSWER 3 OF 19 SCARLETT COPYRIGHT 2009 ACS OR SIM

[illegible]

DE1020984025731 A1 20051215 DE 2004-1020984025731 20040526
PRAI DE 2004-1020984025731 A 20040526
OS CASPERACY 144:51905; HARRIS 144:51905
GT

[illegible]

1:11 ANSWER 1 OF 19 HQAZLSE COPYRIGHT 2008 ACS on STM (Continued)

871095-32-6P 871891-32-7P 871093-32-8P

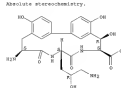
871096-41-92 871096-42-00
 XL-act [Reactant]; SYN [Synthetic preparation]; PREP [Preparation]; FACT
 [Reactant or reagent]
 [preparation and use of antibacterial biphenyl-containing macrocyclic compds. in
 treatment of infections in humans or animals]

NS 071095-10-6 NCAPLUS
 CS 1-*Serine*, *N*-[1(phenylmethoxy)carboxyl]-5-allyl-(2*S*)-2-amino-4-
 [(phenylmethoxy)carboxyl]amino)butanoyl-, methyl ester, opallo
 13,33-(6,6'-bis(phenylmethoxy)(3,3'-diphenyl)-3,3'-diyl) deriv., (3*R*)
 (act.) (JDA RUNNY XAMLS)

Absolute stereochemistry



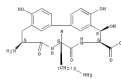
(27) = (8Cl) (CA 2H)



● 2 BC

CS 1-L-serine, 1-Alanylo-L-serinethyl, methyl ester, cyclic 13,13-(4,4'-
dihydroxy[1,3'-biphenyl]-3,3'-diyl) deriv., dihydrochloride, (2H) - (SC1
CSA THREE NAME)

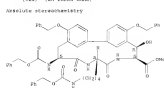
ABSOLUTE SPECIFICITY



● 2 INC

17 166325-20-2P 271825-21-1P 271025-22-2P
 21: 22P (Synthetic preparation); 202P (Preparation)
 (preparation and use of antibacterial biphonyl-containing macrocyclic complex in
 treatment of infections in humans or animals)

DOI 10.1002/for



Absolute Stereochemistry

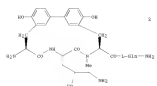
112 ANSWER 4 OF 19 SAMPLED COPYRIGHT 2009 ACS on Sci



IPF	W02005100348	A.1	20051007	2005003-EP03003	2005040
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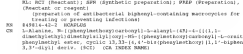
[illegible]

08101984018465	A1	20051103	DE 2004-102084018465	2004841
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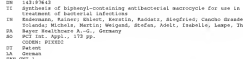
A3. Macrocytic biphenyl-containing oligopeptide oxides, e.g. (II), were prepared for use in the prevention or treatment of bacterial infections. Thus, the N-*tert*-butoxycarbonyl-L-hydroxypropionyl biphenyl core free acid (prepared in WO/83/18449) was reacted with L-glutamic acid hydrochloride, N-deprotected, and converted to the NaCl salt to form I in 96% yield. In *in vitro* inhibition studies using *S. aureus* 132 translation, I had IC₅₀ of 8 μ

IT 840014-42-2P



Absolute stereochemistry.

113 ASSEMBLY OF 19 BODILIES COPYRIGHT 2000 ACS on ST

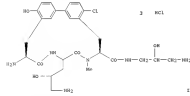


PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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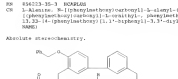
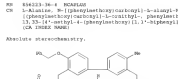
91	MO2005858943	A1	20050420	2004MO-EP13608	20061120
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[illegible]

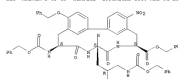
Q1

[illegible]

113 ANSWER 5 OF 19 RECALLED COPYRIGHT 2009 ACS OR ITS SUBSIDIARIES

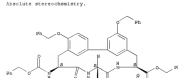
[illegible]COC(=O)N[C@@H](C(C)=O)[C@H](NC(=O)NCCOC(=O)c1ccc(N)cc1)C(=O)NCCOC(=O)c1ccc(N)cc1

113 ANSWER 5 OF 19 HQA7186 COPYRIGHT 2008 ACS on STM (Continued)

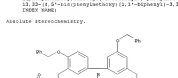


RXN 154323-41-1 NCARLON
 CN 1-Alanine, N-[(phenylmethoxy-carbonyl)-2-allyl-(2R)-4-hydroxy-5S-
 [(phenylmethoxy-carbonyl)-1-oxethyl-, phenylmethyl ester, cyclic

ENTER NAME)


[NH3+]CC(=O)c1ccccc1

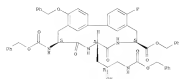
CS 2-Alanine, N-[iphenyl
(phenylacetyl)carb

CC(C)C(=O)NCC1=CC=CC=C1

CS 1-Alantou, N-Hipbery
E-Gabon South-South-Land

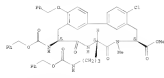


113 ANSWER 5 OF 19 NCAPLES COPYRIGHT 2008 ACS ON STM (Continued)



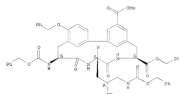
854123-44-4 NCAPLES
CN 1-Alanine, N-[1-(phenylmethoxy)carbonyl]-5-allyl-N6-(1-phenylmethoxy)carbamoyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-(phenylmethoxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



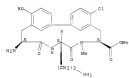
854123-44-5 NCAPLES
CN 1-Alanine, N-[1-(phenylmethoxy)carbonyl]-5-allyl-(8S)-4-hydroxy-N6-(1-phenylmethoxy)carbamoyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-(phenylmethoxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



854123-44-6 NCAPLES
CN 1-Alanine, N-[1-(phenylmethoxy)carbonyl]-5-allyl-N6-(1-phenylmethoxy)carbamoyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-nitro-4-(phenylmethoxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

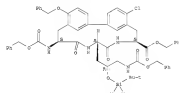
113 ANSWER 5 OF 19 NCAPLES COPYRIGHT 2008 ACS ON STM (Continued)



● 2 RIR

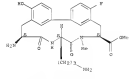
854123-44-7 NCAPLES
CN 1-Alanine, N-[1-(phenylmethoxy)carbonyl]-5-allyl-(8S)-4-hydroxy-N6-(1-phenylmethoxy)carbamoyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-nitro-4-(phenylmethoxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



854123-44-8 NCAPLES
CN 1-Alanine, N-allyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

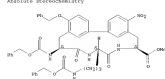
Absolute stereochemistry



854123-44-9 NCAPLES
CN 1-Alanine, N-allyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

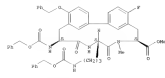
CA 1

113 ANSWER 5 OF 19 NCAPLES COPYRIGHT 2008 ACS ON STM (Continued)



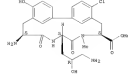
854123-47-1 NCAPLES
CN 1-Alanine, N-[1-(phenylmethoxy)carbonyl]-5-allyl-N6-(1-phenylmethoxy)carbamoyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-(phenylmethoxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



854123-48-8 NCAPLES
CN 1-Alanine, N-allyl-(8S)-4-hydroxy-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



● 2 RIR

854123-48-9 NCAPLES
CN 1-Alanine, N-allyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry

113 ANSWER 5 OF 19 NCAPLES COPYRIGHT 2008 ACS ON STM (Continued)



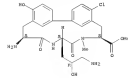
● 2 RIR

854123-48-4 NCAPLES
CN 1-Alanine, N-allyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

Absolute stereochemistry



Absolute stereochemistry

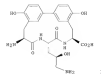


● 2 RIR

854123-48-6 NCAPLES
CN 1-Alanine, N-allyl-3-oxopropyl-D-methyl ester, cyclic 13,32-(4'-fluoro-4-hydroxy)1,1'-biphenyl)-3,3'-diyl deriv. (NCI) (CA INDEX NAME)

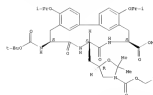
CA 1

RE CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS ARE IN THE RECORD

[illegible]

AS	A concise and efficient total synthesis of biphenynone 8 (I) was accomplished featuring a key microwave-assisted intramolecular Suzuki-Miyaura reaction for formation of the 13-membered meta,meta-cyclophane 20.
IT	91099-52-5P 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828

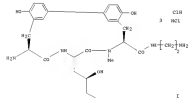
Absolute stereochemistry, Rotation (+).



RE.CNT 66 THERE ARE 66 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE. ENTRY

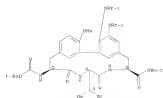
113 ASSOCIATION OF 19 INCORPORATED. COPYRIGHT 2008 ACS on JSTN (Continued)

113	NUMBERS 7 OF 11	COPYRIGHT 2008 ACIS ON STM
AN	2669-3261739	HOLZMAN
DN	14124566	
	Synthesis of antibacterial biphenyl-containing macrocycles for use in treating bacterial infections in humans or animals	
IN	Lange, Thomas; Aelst, Isabelle; Meyer, Dieter; Branner, Nina; Erdmann, Michael; Krieger, Martin; Schell, Mein-Joerg; Von Hartman, Franz; Siedert, Thomas; Knöbel, Joachim; Schäfer, Gidon; Sebmacher, Andrea; Grunwaldt, Tilo; Michels, Martin; Wolgast, Stefan	
DA	Meyer-Schallacker A.-J., Germany	
	DOI INT. Appl., 181 pp.	
OT	GERMAN: PEXKED	
DT	Hartman	
LA	CUTEN	

[illegible][illegible]



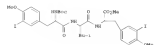
113 ANSWER 15 OF 19 RESULTS COPYRIGHT 2008 ACS on STM (Continued)



RE ENT 30 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

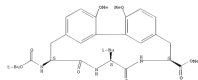
113 ANSWER 11 OF 19 RESULTS COPYRIGHT 2008 ACS on STM

- AB 1994-101070 MOLECULES
DN 134139450
T1 A Novel Synthesis of N-methyl-Containing Macrocycles by a Suzuki Miyaura
Arylboration Reaction: Intramolecular Suzuki Reaction
Catherine, Amy-Claire; Ben, Joseph
AG
CS Institut de Chimie des Substances Naturelles, CNRS, Gif-sur-Yvette, 91190,
FR
COORD (PMPT) 1506 1513-1660
JN American Chemical Society
JZ Journal
LA English
CS CASPACT 134139450
CI



- AB A novel macrocyclization procedure is developed on the basis of a dimer
process. Thus, treatment of linear diols 1 under defined conditions
gave a 15-membered α,ω -cyclophane via α,ω -aryl bond formation. Two
distinct cross-coupling manifolds, Miyaura's aryloboration ester arylobori
and lithium- α,ω -cyclophane, proved to be efficient catalysts. Concentration is
an important factor for the success of this process.
T1 114431-1-3P 114431-19-4P
AB New Synthesis (Preparation) (Prep) (Preparation)
Preparation of 15-membered macrocycles by a dimer Miyaura aryloboration
formation (catalytic) (catalytic reaction)
DN 114431-1-3 MOLECULES
CN 1-Amino-, α -(1,1-dimethylthio)carbamoyl-3- α -methyl-6- α -methyl-, methyl
ester, cyclic 11,33- α,ω -dihydroxy-4'-methoxy(1,1'-biphenyl)-3,3'-diyl diols
(SCI) (CA INDEX NODE)

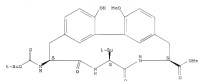
Absolute stereochemistry. Rotation (+).



- DN 114431-19-5 MOLECULES
CN 1-Amino-, α -(1,1-dimethylthio)carbamoyl-3- α -methyl-6- α -methyl-, methyl
ester, cyclic 11,33- α,ω -dihydroxy-4'-methoxy(1,1'-biphenyl)-3,3'-diyl diols
(SCI) (CA INDEX NODE)

Absolute stereochemistry. Rotation (+).

113 ANSWER 11 OF 19 RESULTS COPYRIGHT 2008 ACS on STM (Continued)

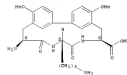


RE ENT 30 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

113 ANSWER 12 OF 19 RESULTS COPYRIGHT 2008 ACS on STM

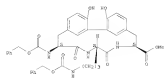
- AB 1994-101070 MOLECULES
DN 1211334689
T1 Chromophoric methods in conformational analysis
AG Rasmussen, Jan
CS Chem, Cancer, Univ, Lund, Lund, Sweden
COORD (PMPT) 1506 1513-1660
JN Wiley-Liss
JZ Journal
LA English
AB CD spectra of flexible organic moieties in solution are normally very sensitive to
conformation. In a system composed of two or more chromophores joined by
one or more single bonds and with one fixed or strongly preferred
conformation, it is often possible to reproduce the CD spectra by
nonempirical calculation, based on interactions between the electronic
transitions in the π - π^* chromophore. In a system containing two or more
conformations of appreciable weight, the observed CD spectrum is the
superposition of those of the individual conformations and has to be analyzed
in terms of the rotational weighted spectra and the relative weights of the
 π - π^* conformations. The effect of temperature variation on conformational
equilibrium and on the computed CD spectra are discussed and exemplified
1757641-1-3
AB New Synthesis (Preparation) (Prep) (Preparation)
(Chemical synthesis) (Chemical synthesis)
T1 1757641-1-3 MOLECULES
CN 1-Amino-, α -(1,1-dimethylthio)carbamoyl-3- α -methyl-6- α -methyl-, methyl
ester, cyclic 11,33- α,ω -dihydroxy-4'-methoxy(1,1'-biphenyl)-3,3'-diyl diols
(SCI) (CA INDEX NODE)

Absolute stereochemistry.



Absolute stereochemistry.

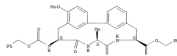
113 ANSWER 16 OF 19 SCAPLES COPYRIGHT 2008 ACS on STM (Continued)



AB Diisopropylamine I (R = H, CH₂Ph) were prepared in 3 steps from 1,5-bis(tert-butoxy)-2,4-dinitrobenzene with (4-aminophenyl)acetic acid, acrylonitrile, and a Pd-catalyzed coupling. A monomeric derivative of I (R = H) was combined with alanine derivative by the different process to give the dimer-tripptide II.

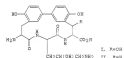
IT 121133-17-92
R1: H₂N (Epitaxial preparation); H₂NH₂ (Preparation)
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R3: 121133-17-92
R4: 121133-17-92
R5: 121133-17-92
R6: 121133-17-92
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R100: 121133-17-92

Absolute stereochemistry.



113 ANSWER 16 OF 19 SCAPLES COPYRIGHT 2008 ACS on STM

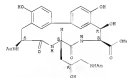
AB 1998-1999 SCAPLES
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R100: 121133-17-92



AB The structures of biphosphonate A and B (I and II), novel peptide antibiotics produced by a strain of Streptomyces, were established on the basis of spectroscopic and chemical evidence. They are unique in that they are cyclic peptides containing a biphosphonate moiety located in a 15-membered ring and show potent antibacterial activities, especially against gram-positive bacteria.

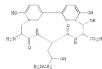
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Absolute stereochemistry



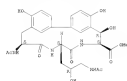
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113 ANKOR is IP is WCPUBS COPYRIGHT 2004 ACS on STM
 A8 18216142 WCPUBS
 O8 18216142
 OREF 18216142, 24308a
 T1 Structure of WG-43708A, a novel cyclic peptide antibiotic
 A9 Shirai, Tetsu; Endo, Masami; Ohguroshi, Nobuharu; Yoshimura, Nobuharu
 O4 Kagaku Ken. Gak., Pyrimine Res., Ch., Ltd., Osaka, 593, Japan
 W6 Journal of Organic Chemistry 1994, 45(1), 181-2
 OREF JOCBSE; ESI: 1821-5163
 T2 Journal
 A4 Kagaku
 O4 CASREACT 10216142
 W2



A8 The structure of WG-43708A, a novel antibacterial antibiotic produced by Streptomyces griseoviridiformans number 43708, has been established as 1 on the basis of chemical and 1D and 2D NMR spectroscopic evidence. WG-43708A is unique in that it is a cyclic peptide containing a biphenyl unit, which is rare in nature, and its activity is exceptionally potent especially against Gram-negative bacteria.
 T2 1821-51-1P
 A4 JCT (Peptide); JNM (Synthetic preparation); JNEP (Preparation); JNCT (Resistant or resistant)
 W2 1821-51-1 JOCBSE
 O4 L-Valine, N-acetyl-L-alanyl-(4S)-N-acetyl-L-hydroxy-L-norvalyl-, methyl ester, methyl 1,3,3,4,4-pentaphenyl-1,1'-biphenyl-3,3'-diyl deriv., (3R)-, (1R)- [CA INCHI NAME]

Absolute stereochemistry



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L4      4 L3 AND NRRS>-3
L5      STR
L6      STR L5
L7      STR L6
L8      6 L7
L9      75 L7 FULL
L10     SAV TEM J667C1/A L9
        3 L9 AND L3

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FILE 'BIOSIS' ENTERED AT 16:37:27 ON 09 JAN 2008
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